

Efficacy Review

Date: December 2, 2010

Efficacy Reviewer: Clayton Myers, Ph.D., Entomologist, RD-IB
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Risk Manager Rev.: BeWanda Alexander

Products: F6141 EW Insecticide

EPA Reg. #: 279-OLGL

A.I.'s: Bifenthrin (0.075%), Zeta-Cypermethrin (0.30%)

Decision #s: 434238

DP #s: 381769

Submission: R310, New Product, RD Science Review

MRIDs: Cited: 44637901, 44137401, 47361711, 46431203, 44638801, 47385709, 47399101, 47385710, 46371601, 44891904, 44671701, 44891907, 44891901, 44891906, 44891905, 44137402, 47385708, 46431205, 44891908, 44891903, 44891902, 45773901, 48103101, 48103102, 48103103

GLP: No

Overall Review of Label Claims and Directions:

Based upon cited efficacy data, kills claims are supported for the following pests: Ants (including Carpenter, Harvester, Pharaoh, and foraging fire Ants), centipedes, cockroaches fleas, hornets, house flies, mosquitoes, scorpions, spiders, ticks.

Based upon cited efficacy data, outdoor residual efficacy claims are only supported for imported fire ants, for 6 months. All other outdoor residual efficacy claims must be removed from the label. Claims against the listed arthropod eggs are not subject to Agency efficacy review and may be retained.

Line by Line Review of Efficacy Claims and Directions for Use

Kills: Ants (including Carpenter, Harvester, Pharaoh, and foraging fire Ants), centipedes, cockroaches fleas, hornets, house flies, mosquitoes, scorpions, spiders, ticks: Acceptable. *(This claim appears in various forms on different parts of the label—the claims vary, but all are acceptable so long as they do not include additional pests of public health importance beyond this overall listing. Synonyms for cockroaches [all species], including palmetto bugs, water bugs, etc., are also acceptable).*

Mosquitoes coming to rest on treated areas will be killed for varying periods of time after application, depending on exposure of treated areas to weather conditions: Acceptable.

Directions and Claims for Fire Ant Mound Treatments: Acceptable.

Optional Marketing Claims:

General:

Kills ticks that may transmit Lyme disease: Acceptable

Kills mosquitoes that may transmit West Nile Virus, Kills mosquitoes and other nuisance insects/pests: Acceptable only if changed to ‘other nuisance insects/pests as listed’.

Kills [1, 2, 3, 4 . . . 158] listed insects: Acceptable

[Plus] Kills/controls [insert any combination of listed insects: Acceptable

Kills/controls bugs/pests/insects on [insert any combination of listed use sites]: Acceptable but must be revised to say ‘listed insects’.

[Plus] kills mosquitoes outdoors: Acceptable

Kills/Controls bugs/insects outdoors before they can come indoors: Acceptable but must be revised to say ‘listed insects’.

Helps protect your [house/home] from invading pests, Kills/controls outdoor insects/pests by contact so you and your family can enjoy your home: Acceptable but must be revised to say ‘listed insects’.

Broad spectrum insect killer specific: All acceptable

Outdoor perimeter insect killer specific: All acceptable

Fire Ant specific: All acceptable

Speed:

General:

Starts killing within minutes, Starts activity within minutes: Acceptable

Provides fast knockdown, Kills in [minutes/seconds], Kills fast: Unacceptable, as adequate knockdown data was not submitted or cited.

Kills listed insects by contact, Kills by contact (guaranteed): Acceptable

[Insect] feeding will stop within minutes: Unacceptable, as adequate knockdown/quick kill, feeding cessation data was not submitted or cited.

Provides residual control* *for listed insects: Acceptable

Fire Ant specific:

Fast acting mound treatment: Unacceptable, as adequate knockdown/quick kill data was not submitted or cited.

Kills/controls mound [in [5] minutes], Kills colony in 24 hours, Starts killing fire ants immediately: Claim for killing/controlling mound in 5 minutes is unacceptable, as no data was cited to support this speed of kill claim. Kills colony in 24 hours and starts killing fire ants immediately are acceptable.

Residual: All acceptable, except the fire ant claims “Nothing works faster and lasts longer” and “no liquid product works faster or lasts longer”, which must be removed from the label.